



FDC2612

Manufacturer Part Number	FDC2612
Manufacturer	onsemi
Allelco Part Number	32D-FDC2612
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 200V 1.1A SUPERSOT6
Package	SOT-23-6 Thin, TSOT-23-6
Data sheet	FDC2612.pdf
RoHs Status	 ROHS3 Compliant


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FDC2612 - onsemi.New Original in Stock. Download Linear Technology FDC2612 datasheet/specifications on AllelcoElec.com.

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Specifications



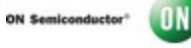
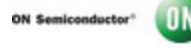
FDC2612 Tech Specifications

FDC2612 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	234 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	11 nC @ 10 V
Supplier Device Package	SuperSOT™-6	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	725mOhm @ 1.1A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	1.6W (Ta)	Drain to Source Voltage (Vdss)	200 V
Package / Case	SOT-23-6 Thin, TSOT-23-6	Current - Continuous Drain (Id) @ 25°C	1.1A (Ta)
Package	Tape & Reel (TR)	Base Product Number	FDC2612

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDC2612

Product Attribute	 NO PICTURE			
Part Number	FDC2612	FDC3512	FDC30N20DZ	FDC2512
Manufacturer	onsemi	onsemi	onsemi	onsemi
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	725mOhm @ 1.1A, 10V	77mOhm @ 3A, 10V	31mOhm @ 4.6A, 10V	425mOhm @ 1.4A, 10V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	4.5V @ 250µA	4V @ 250µA	3V @ 250µA	4V @ 250µA
Drain to Source Voltage (Vdss)	200 V	80 V	30 V	150 V
Current - Continuous Drain (Id) @ 25°C	1.1A (Ta)	3A (Ta)	4.6A (Ta)	1.4A (Ta)
Supplier Device Package	SuperSOT™-6	SuperSOT™-6	SuperSOT™-6	SuperSOT™-6
Power Dissipation (Max)	1.6W (Ta)	1.6W (Ta)	960mW (Ta)	1.6W (Ta)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6
Drive Voltage (Max Rds On, Min Rds On)	10V	6V, 10V	4.5V, 10V	6V, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	FDC2612	FDC3512	FDC30N20	FDC2512
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	234 pF @ 100 V	634 pF @ 40 V	535 pF @ 15 V	344 pF @ 75 V
Series	PowerTrench®	PowerTrench®	-	PowerTrench®
Gate Charge (Qg) (Max) @ Vgs	11 nC @ 10 V	18 nC @ 10 V	7.9 nC @ 10 V	11 nC @ 10 V

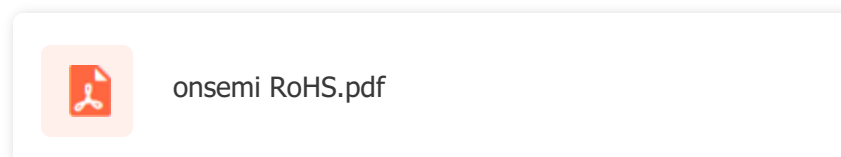
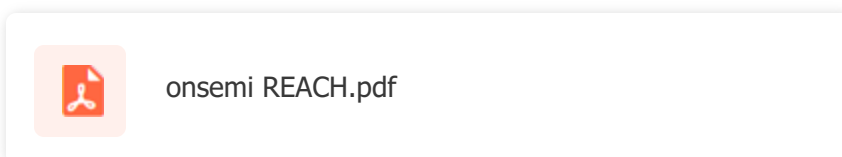
FDC2612 Datasheet PDF

Download FDC2612 pdf datasheets and onsemi documentation for FDC2612 - onsemi.

Datasheets



Environmental Information



PCN Packaging



Mult Devices 24/Oct/2017.pdf

Marking Change 07/Oct/2022.pdf

PCN Design/Specification

Marking Change 07/Oct/2022.pdf




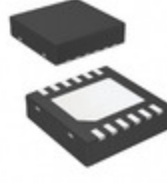

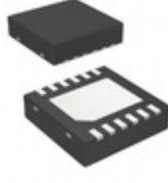



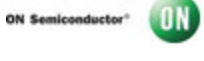



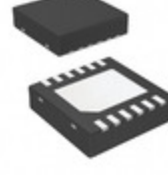



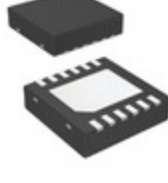
Marking Change 17/Nov/2021.pdf

PCN Assembly/Origin

Mult Dev A/T Chgs 13/Dec/2021.pdf

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 FDC30N20DZ onsemi MOSFET N-CH 30V 4.6A SUPERSOT6	 FDC3535-NL Fairchild (onsemi)	 FDC2114RGHT Texas Instruments IC CAPACITIVE SENSING	 FDC2512 onsemi MOSFET N-CH 150V 1.4A SUPERSOT6	 FDC301 XX	 FDC2214QRGHRQ1 Texas Instruments 28-BIT CAPACITANCE-TO-DIGITAL CO
 FDC3512P-NL Fairchild (onsemi)	 FDC2212DNTR Texas Instruments IC CAPACITIVE SENSING	 FDC2214RGHR Texas Instruments IC CAPACITIVE SENSING	 FDC2612 MOS Fairchild (onsemi)	 FDC3535 onsemi MOSFET P-CH 80V 2.1A SUPERSOT6	 FDC2212QDNNTTQ1 Texas Instruments IC CAP-DIGITAL CONVERTER 12WSON

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Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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